

Control Exam

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2a) Closed loop control systems include a measurement system that provides an error feedback to the control unit to adjust the correction element accordingly. An open loop system does not have this feedback loop and hence can only adjust based on the input value. Due to not needing a complex measurement system open loop systems are cheaper and less prone to failure. Instrumentation can include sensors for various physical characteristics and more complex control units.

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2b) Proportional control strategies produce